

# **Mental Health YS\*5.01\*202**

## **Deployment, Installation, Back-Out, and Rollback Guide**



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# 1 Introduction

This document describes how to deploy and install the patch YS\*5.01\*202 of the Mental Health package, as well as how to back-out the product and rollback to a previous version or data set.

This document is a companion to the project charter and management plan for this effort.

## 1.1 Purpose

The purpose of this plan is to provide a single, common document that describes how, when, where, and to whom Mental Health patch YS\*5.01\*202 will be deployed and installed, as well as how it is to be backed out and rolled back, if necessary. The plan also identifies resources, communications plan, and rollout schedule. Specific instructions for installation, back-out, and rollback are included in this document.

## 1.2 Dependencies

It is assumed that this patch is being installed into a fully patched Veterans Health Information System and Technology Architecture (VistA) system. Patches YS\*5.01\*121, YS\*5.01\*130, YS\*5.01\*141, YS\*5.01\*172, and YS\*5.01\*207 must be installed prior to this patch.

## 1.3 Constraints

For all other VistA sites, there are no constraints beyond the installation into an up-to-date VistA system.

# 2 Roles and Responsibilities

The following describes the roles and responsibilities associated with the testing and release of YS\*5.01\*202. This application requires both a VistA installation and an update to the web application. The Azure application manager will install the web application part of the patch. The VistA patch will be deployed via the normal PackMan route.

**Table 1: Deployment, Installation, Back-out, and Rollback Roles and Responsibilities**

Team	Phase / Role	Tasks	Project Phase (See Schedule)
Project Manager	Deployment	Determine and document the roles and responsibilities of those involved in the deployment	Design
Software Quality Assurance (SQA), Test Sites	Deployment	Test for operational readiness	Test
Project Manager, Release Manager	Deployment	Execute deployment	Release
Individual VistA Sites	Installation	Plan and schedule installation	Release
Azure Manager	Installation	Plan and schedule installation	Release

Team	Phase / Role	Tasks	Project Phase (See Schedule)
Release Manager	Back-out	Confirm availability of back-out instructions and back-out strategy (what are the criteria that trigger a back-out)	Release
Sustainment Team	Post Deployment	Hardware, Software and System Support	Sustain

### 3 Deployment

The deployment is planned as a simultaneous (National Release) rollout. Once approval has been given to nationally release, YS\*5.01\*202 will be available for installation and deployment at all sites.

Scheduling of test installs, testing, and production deployment will be at the site’s discretion. It is anticipated there will be a 30-day compliance period.

#### 3.1 Timeline

The deployment and installation are scheduled to run during August 2022.

#### 3.2 Site Readiness Assessment

This section discusses the locations that will receive the YS\*5.01\*202 deployment.

##### 3.2.1 Deployment Topology (Targeted Architecture)

The web part of the application for YS\*5.01\*202 will be deployed to the Azure application server and will be available at each site once the VistA patch is installed. Local sites, as well as regional data centers, will need to execute the VistA installation steps during the required installation period to stay synchronized with the updates to the web application.

##### 3.2.2 Site Information (Locations, Deployment Recipients)

The initial deployment will be to Initial Operating Capability (IOC) sites for verification of functionality. Once testing is completed and approval is given for National Release, YS\*5.01\*202 will be deployed to all VistA systems.

The Production IOC testing sites are:

- Clement J. Zablocki VAMC (Milwaukee, WI)
- Orlando VAMC (Orlando, FL)

##### 3.2.3 Site Preparation

YS\*5.01\*202 requires a fully patched VistA system. In particular, YS\*5.01\*121, YS\*5.01\*130, YS\*5.01\*141, YS\*5.01\*172, and YS\*5.01\*207 must be installed prior to the installation of YS\*5.01\*202.

## 3.3 Resources

### 3.3.1 Facility Specifics (optional)

No specific facility instructions needed.

### 3.3.2 Hardware

No hardware instructions needed.

### 3.3.3 Software

No software instructions needed.

### 3.3.4 Communications

When YS\*5.01\*202 is released, the released-patch notification will be sent from the National Patch Module to all personnel who have subscribed to notifications for the Mental Health package patch.

## 4 Installation

### 4.1 Pre-installation and System Requirements

There are no pre-installation requirements.

### 4.2 Platform Installation and Preparation

This patch can be loaded with users in the system. Installation time will be less than 5 minutes.

To ensure the integrity of the transport global, use the “Verify Checksums in Transport Global” to compare the checksums with the list that follows:

The checksums below are new checksums, and can be checked with CHECK1^XTSUMBLD.

```
Select BUILD NAME: YS*5.01*202          MENTAL HEALTH
YS202PST  value = 31326919
YS202TXT  value = 110611824
YSBDD1    value = 143139238
YSBJSON   value = 42050108
YSBPREFS  value = 52870651
YSBRPC    value = 68268540
YSBWHIG2  value = 90905063
YSBWHIGH  value = 207104998
YTQRCAT   value = 44680325
YTQREST   value = 32941761
YTQRQAD2  value = 50997052
YTQRQAD3  value = 82183785
YTQRQAD4  value = 208885212
YTQRQAD5  value = 54727270
YTQRQAD7  value = 205041922
YTQRQAD8  value = 9054687
YTSCAT    value = 44396601
YTSEHS14  value = 9892060
YTSFAST   value = 3839483
```

```
YTSMCM14 value = 251360451
YTSPEB20 value = 10412071
YTSPEB27 value = 10411704
YTSWBS value = 5723495
YTWJSON value = 78132023
YTWJSON0 value = 23348872
YTXCHGI value = 55947879
YTXCHGM value = 75625677
YTXCHGT value = 24969505
done
```

### 4.3 Download and Extract Files

The software for this patch is being released using a host file.

The host file is available at the following location:

```
/srv/vista/patches/SOFTWARE/YS_5_01_202.KID
```

build.

### 4.4 Access Requirements and Skills Needed for the Installation

Installation of YS\*5.01\*202 requires access to the Kernel Installation and Distribution System (KIDS).

### 4.5 Installation Procedure

This patch may be installed with users on the system although it is recommended that it be installed during non-peak hours to minimize potential disruption to users. This patch should take less than 5 minutes to install.

1. Use the Load a Distribution option contained on the Kernel Installation and Distribution System Menu to load the host file.

When prompted to "Enter a Host File:" enter

```
/srv/vista/patches/SOFTWARE/YS_5_01_202.KID
```

2. From the Kernel Installation and Distribution System Menu, select the Installation Menu. From this menu:
  - A. Select the **Verify Checksums in Transport Global** option to confirm the integrity of the routines that are in the transport global. When prompted for the INSTALL NAME enter the patch or build name (YS\*5.01\*202).
  - B. Select the **Backup a Transport Global** option to create a backup message. You must use this option for each patch contained in the Host File. For each patch you can specify what to backup, the entire Build or just Routines. The backup message can be used to restore just the routines or everything that will restore your system to pre-patch condition.

- C. You may also elect to use the following options:
  - i. Print Transport Global - This option will allow you to view the components of the KIDS build.
  - ii. Compare Transport Global to Current System - This option will allow you to view all changes that will be made when this patch is installed. It compares all of the components of this patch, such as routines, DDs, templates, etc.
- D. Select the Install Package(s) option and choose the patch to install (YS\*5.01\*202).
  - i. If prompted 'Want KIDS to Rebuild Menu Trees Upon Completion of Install? NO//', answer NO.
  - ii. When prompted 'Want KIDS to INHIBIT LOGONs during the install? NO//', answer NO.
  - iii. When prompted 'Want to DISABLE Scheduled Options, Menu Options, and Protocols? NO//', answer NO.

## 4.6 Post-installation

A post-install routine will run to update the PCL-5, PCL-5 WEEKLY, CSI PARTNER VERSION, CAD-PTSD-DX, and MCMI4 instruments. The post-install will also add instrument categories to CAT-PSYCHOSIS, EHS-14, PEBS-20, PEBS-27, WBS, ASRS, and DAR-5 instruments. The CAT-PTSD, CAT-ADHD, and CAT-SDOH instruments will be dropped. Blank fields in the BASIS-24 instrument will be removed. The CPRS TOOLS link URL for MHA Web will be updated in the ORWT TOOLS MENU Parameter. Finally, a new field in the MH TESTS AND SURVEYS file, INTERPRETIVE TEXT, will be populated for instruments that have text.

## 4.7 Installation Verification Procedure

Open CPRS and launch the MHA Web application. Create a new assignment on a test patient and verify instruments such as the EHS-14, PEBS-20, and PEBS-27 are selectable. Press the CANCEL button to cancel the assignment.

## 4.8 Database Tuning

No database tuning required.

# 5 Back-Out Procedure

## 5.1 Back-Out Strategy

This patch updates the Mental Health Assistant – Web (MHA Web) application. If MHA Web does not perform as desired, it is possible to back out to the previous implementation.

## 5.2 Back-Out Considerations

If the YS\*5.01\*202 patch is backed out, there will be minimal impact to users.

### **5.3 Back-Out Criteria**

A back-out should only be considered if there is a patient safety issue, if MHA Web no longer functions, or if there is some other catastrophic failure.

### **5.4 Back-Out Risks**

The risks vary depending on what is causing the failure of the system. The main risk is that the MHA Web will be unavailable.

### **5.5 Authority for Back-Out**

The VistA system manager determines if a back-out of YS\*5.01\*202 should be considered.

### **5.6 Back-Out Procedure**

The following routines need to be restored to their previous versions:

- YTQREST
- YTQRCAT
- YTQRQAD2
- YTQRQAD3
- YTQRQAD4
- YTQRQAD5
- YTQRQAD7
- YTQRQAD8
- YTSCAT
- YTSFAST
- YTSMCMI4
- YTWJSON
- YTWJSONO
- YTSCHGI
- YTSCHGM
- YTSCHGT

Use the KIDS utility restore the routines backed up in section 4.5, 2B.

Verify with the Azure application administrator that the web application has been backed out to the previous version.

The link in CPRS will need to be reverted back to its original format. Log into VistA and go to the **GUI TOOL MENU**. Select **SYS** for system level. Identify the Sequence number for the MHA Web option. Replace /b/ in the URL with /a/. In the example screenshot below, the Sequence is 14 and the station is 965. At the **Replace** prompt, enter /b/. At the **With** prompt, enter /a/ and press [Enter].

```
Select GUI Parameters <***SPPSQA***> Option: GUI tool Menu Items

CPRS GUI Tools Menu may be set for the following:

    1  User          USR      [choose from NEW PERSON]
    2  Location      LOC      [choose from HOSPITAL LOCATION]
    2.5 Service      SRV      [choose from SERVICE/SECTION]
    3  Division      DIV      [SPPSQA]
    4  System        SYS      [SPPSQA.DEVSLC.FO-SLC.MED.VA.GOV]
    9  Package       PKG      [ORDER ENTRY/RESULTS REPORTING]

Enter selection: 4  System  SPPSQA.DEVSLC.FO-SLC.MED.VA.GOV

-- Setting CPRS GUI Tools Menu for System: SPPSQA.DEVSLC.FO-SLC.MED.VA.GOV --
Select Sequence: ?

Sequence  Value
-----  -----
1         VistA Imaging Display="C:\Program Files\Vista\Imaging\MagImageDisplay
2         VistA Imaging Capture="C:\Program Files\Vista\Imaging\MagImageCapture
3         Mental Health Assistant="C:\Program files (x86)\Vista\YS\MHA3\YS_MHA.
14        MHA Web=cmd /c start msedge.exe -new-window "https://mha.med.va.gov/a

Select Sequence: 14

Sequence: 14//    14
Name=Command: MHA Web=cmd /c start msedge.exe -new-window "https://mha.med.va.gov
/app/home/b/?poi=%DFN&station=965"  Replace /b/ With /a/
Replace
MHA Web=cmd /c start msedge.exe -new-window "https://mha.med.va.gov/app/home/a/?p
oi=%DFN&station=965"
Select Sequence:
```

**\*NOTE: In the example above the station is 965. Your actual station number should be substituted.**

## 5.7 Back-out Verification Procedure

Open CPRS and launch MHA Web. After logging in with your PIV card, look at the URL. Verify that it now has /a/ in it.

## 6 Rollback Procedure

### 6.1 Rollback Considerations

To rollback this patch, three entries in the MH TESTS AND SURVEYS file need to be updated. The seven instruments that were added in this patch need to be set to DROPPED. Three instruments that were dropped by this patch and need to be reactivated.

### 6.2 Rollback Criteria

If the patch is backed out, the MH TESTS AND SURVEYS file must be rolled back.

## 6.3 Rollback Risks

By only changing the OPERATIONAL flag, LAST EDIT DATE, and LAST EDITED BY fields in the MH TESTS AND SURVEYS file, the risks are minimal as any existing MH ADMINISTRATION that used these instruments will still be available.

## 6.4 Authority for Rollback

If the backout of the patch is authorized, then that same authorization is required for rollback.

## 6.5 Rollback Procedure

Deactivate:

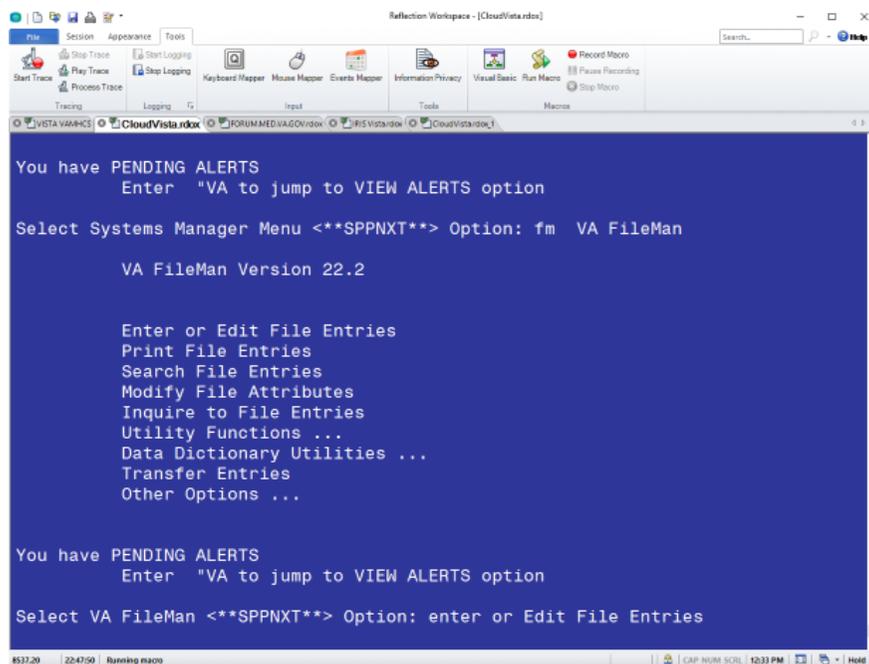
- CAT PSYCHOSIS
- EHS-14
- PEBS-20
- PEBS-27
- WBS
- ASRS
- DAR-5

The example below is for the CAT-PSYCHOSIS but will be the same for each instrument.

Log in to Vista.

Go to the VA FileMan menu

Go to **Enter or Edit File Entries**



```
Reflection Workspace - [CloudVista.rdx]
File Session Appearance Tools
Start Trace Stop Trace Start Logging Stop Logging Keyboard Mapper Mouse Mapper Events Mapper Information Privacy Visual Basic Record Macro
Process Trace Stop Macro Pause Recording Stop Macro
Tracing Logging Input Tools Macros

jvista VAWMCS CloudVista.rdx FORUM.MED.VA.GOV\idoc JRS Vistalab CloudVista.rdx
You have PENDING ALERTS
Enter "VA to jump to VIEW ALERTS option

Select Systems Manager Menu <***SPPNXT**> Option: fm VA FileMan

VA FileMan Version 22.2

Enter or Edit File Entries
Print File Entries
Search File Entries
Modify File Attributes
Inquire to File Entries
Utility Functions ...
Data Dictionary Utilities ...
Transfer Entries
Other Options ...

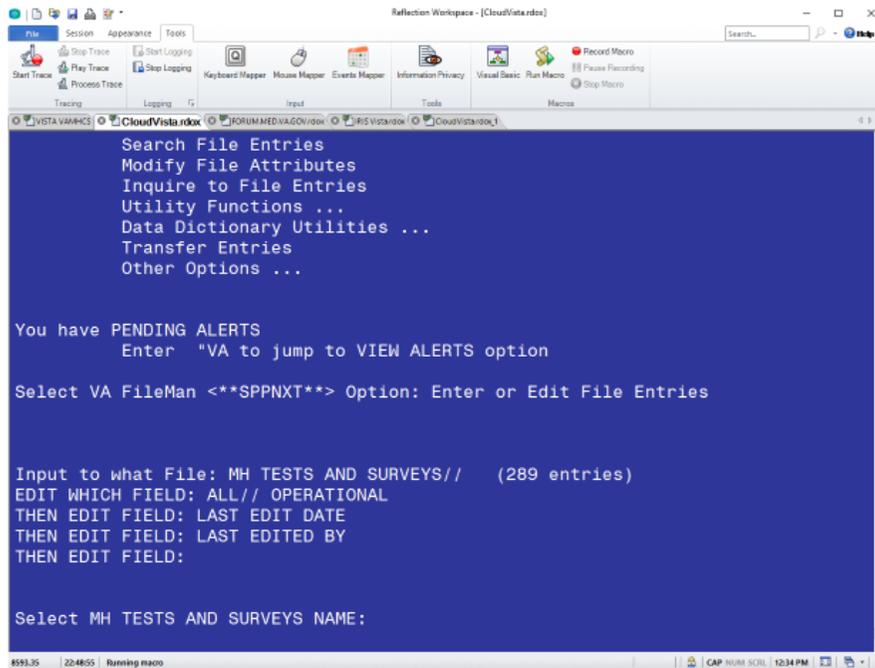
You have PENDING ALERTS
Enter "VA to jump to VIEW ALERTS option

Select VA FileMan <***SPPNXT**> Option: enter or Edit File Entries

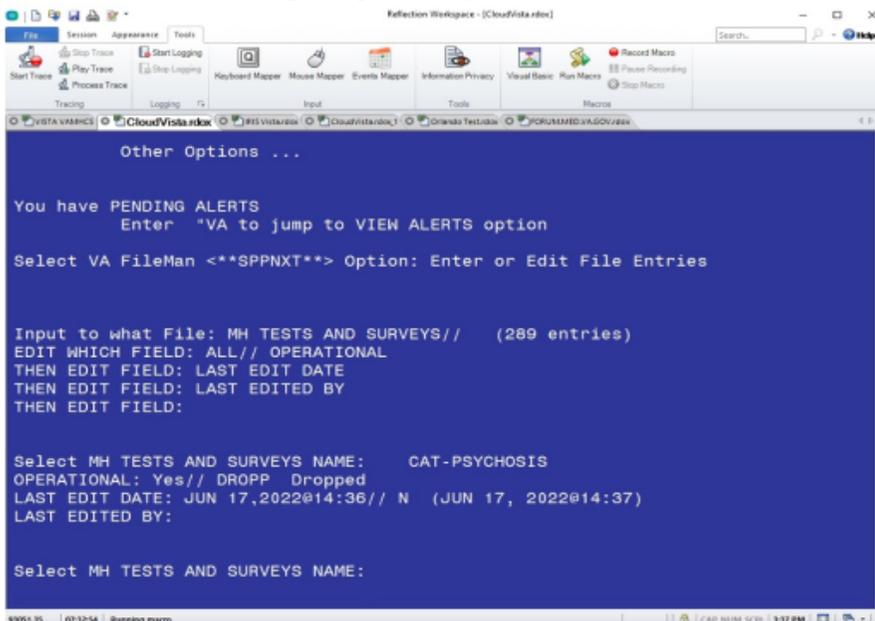
8537.20 22:47:50 Running macro CAP NUM SCR 12:33 PM Home
```

At the **Input to what File:** prompt enter MH TESTS AND SURVEYS  
At the **EDIT WHICH FIELD** prompt enter:

OPERATIONAL  
LAST EDIT DATE  
LAST EDITED BY



At the **Select MH TESTS AND SURVEYS NAME:** prompt enter CAT-PSYCHOSIS  
At the **OPERATIONAL** prompt enter DROPPED  
At the **LAST EDIT DATE** prompt enter N for NOW  
At the **LAST EDITED BY** prompt enter your name.



Repeat this process for the EHS-14, PEBS-20, PEBS-27, WBS, ASRS, and DAR-5 instruments.

### Reactivate

- CAT-ADHD
- CAT-SDOH
- CAT-PTSD

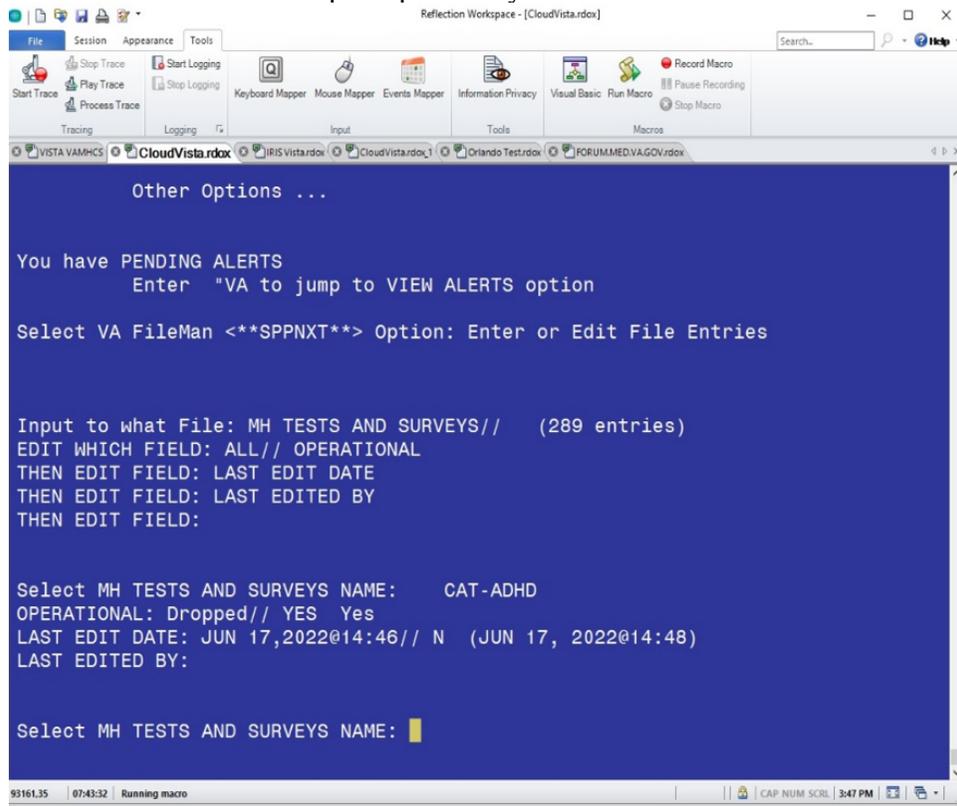
The example below is for the CAT-ADHD but will be the same for each instrument.

At the **Select MH TESTS AND SURVEYS NAME:** prompt enter CAT-ADHD

At the **OPERATIONAL** prompt enter YES

At the **LAST EDIT DATE** prompt enter N for NOW

At the **LAST EDITED BY** prompt enter your name.



Repeat this process for the CAT-SDOH and CAT-PTSD instruments.

Press ENTER to exit the FileMan edit option.

Log out as usual.

All other file updates may remain without rolling back.

## 6.6 Rollback Verification Procedure

Go to CPRS and log in. Go to the Tools Menu and launch MHA Web. Click on the plus sign to create a new Assignment. Click on **View All Instruments** to see the full instrument list. Verify that the CAT-PSYCHOSIS, EHS-14, PEBS-20, PEBS-27, WBS, ASRS, and DAR-5 do not appear and that the CAT-ADHD, CAT-SDOH, and CAT-PTSD instruments appear.

## 7 Appendix A – Acronyms

**Table 2: Acronyms**

<b>Acronym</b>	<b>Definition</b>
CAG	Citrix Access Gateway
CAT	Computer Adaptive Testing
CPRS	Computerized Patient Record System
DIBRG	Deployment, Installation, Back-out, and Rollback Guide
IOC	Initial Operating Capability
KIDS	Kernel Installation and Distribution System
MHA	Mental Health Assistant
OIT	Office of Information and Technology
PIN	Personal Identification Number
PIV	Personal Identity Verification
SPP	Suicide Prevention Package
SQA	Software Quality Assurance
SSOi	Single Sign-On Integration
VA	Department of Veterans Affairs
VAMC	Veterans Affairs Medical Center
VIP	Veteran-focused Integration Process
VistA	Veterans Health Information System and Technology Architecture